

of the composition is generated. The invention also encompasses a method of generating information about impurities present in a metal composition. Metallic portions of the composition are selectively dissolved relative to impurities to form a solution. The solution is filtered through a substrate which is then scanned with a microscope to obtain data about a darkness of the impurities relative to a background. The data is processed to generate information about the size, quantity and type of the impurities.

In The Claims

Please replace claims 15 and 25-32 with the following clean version of claims 15 and 25-32, in accordance with 37 C.F.R. § 1.121(c)(1)(i).

A marked up version showing amendments to any claims being changed is provided in one or more accompanying pages separate from this amendment in accordance with 37 C.F.R. § 1.121(c)(1)(ii). Any claim not accompanied by a marked up version has not been changed relative to the immediate prior version, except that marked up versions are not being supplied for any canceled claim.

15. (Amended) The method of claim 14 wherein the generated information is information about one or both of the size, and quantity of the undissolved material.

25. (Amended) The method of claim 14 wherein the solution comprises one or more of aluminum, copper, lead, antimony and silicon, the one or more of aluminum, copper, lead, antimony and silicon being derived from the composition.

26. (Amended) The method of claim 14 wherein the solution comprises one or more metals derived from the composition, the only metals in the solution being selected from the group consisting of one or more of aluminum, copper, lead, and antimony.

27. (Amended) The method of claim 14 wherein the solution comprises aluminum derived from the composition.

28. (Amended) The method of claim 14 wherein the solution comprises aluminum and copper, the aluminum and copper being derived from the composition.

29. (Amended) The method of claim 14 wherein the only metals in the solution are selected from the group consisting of one or both of aluminum and copper, the aluminum and copper being derived from the composition.

30. (Amended) The method of claim 14 wherein the solution comprises copper derived from the composition.

31. (Amended) The method of claim 14 wherein the solution comprises copper and silver, the copper and silver being derived from the composition.

32. (Amended) The method of claim 14 wherein the solution comprises lead derived from the composition.